Precalc Warm Up #12-2

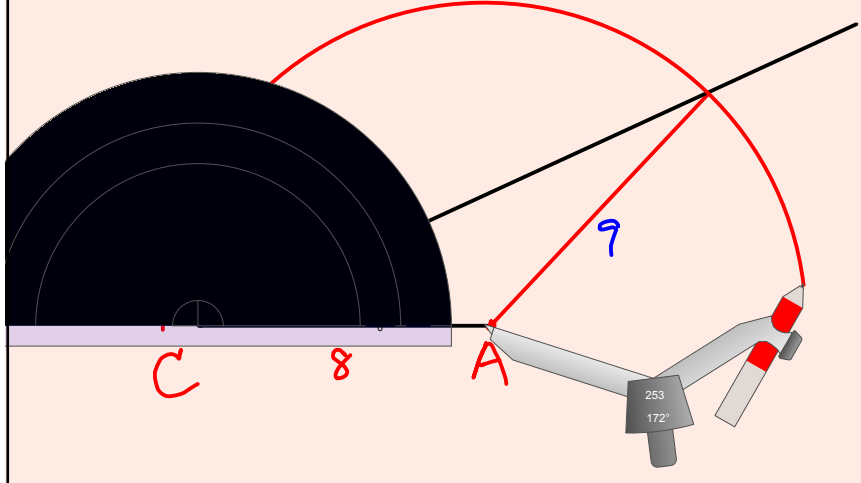
Accurately sketch each triangle, then solve. (nearest 10th)

1. a = 10
   b = 7
   B = 36°

2. a = 6
   c = 5
   C = 82°

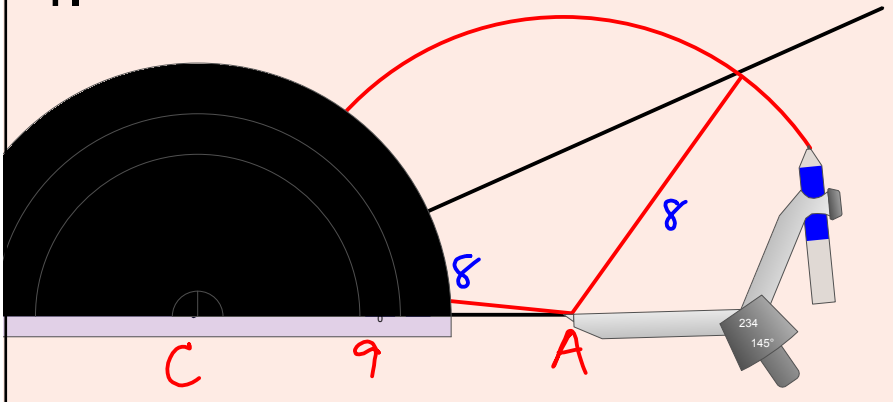
Law of Sines worksheet

3.



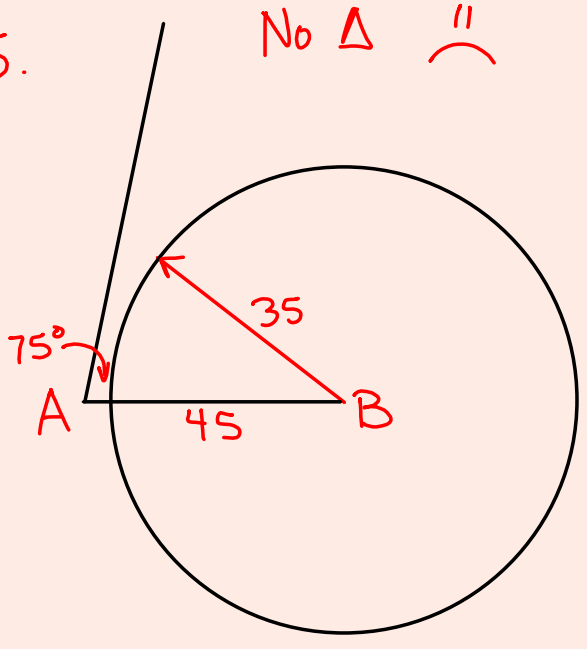
Law of Sines worksheet

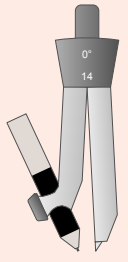
4.



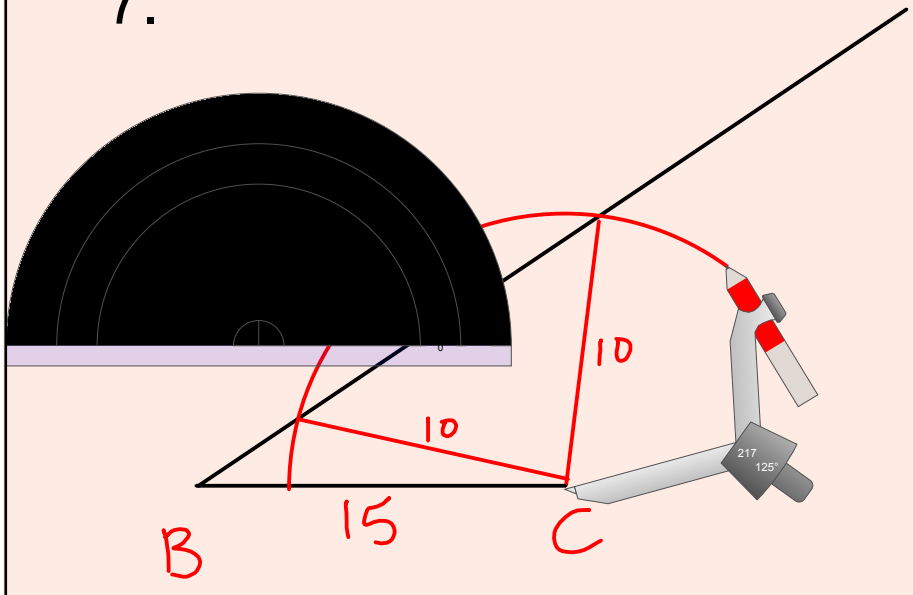
5.

No Δ ☹





7.



Test SL 9.2, 9.4, 9.5
Group test Thursday
Individual test Friday

Law of Sines
Law of Cosines
Area formulas
Angles of Elevation and Depression
Bearing
Solving Triangles

Law of Sines WS Answers:

1) $b \approx 5.06$, $A \quad 101^\circ$, $a \approx 10.3$

2) $B = 60^\circ$, $C \approx 1.97$, $a \approx 5.69$

3) $B \approx 22.1^\circ$, $A \approx 133^\circ$, $a \approx 16.0$

4) $B \approx 28.4^\circ$, $A \approx 126.6^\circ$, $a \approx 15.2$ and $B \approx 151.6^\circ$, $A \approx 3.39^\circ$, $a \approx 1.12$

5) No Δ

6) $C = 28^\circ$, $b \approx 20.0$, $a \approx 14.3$

7) 2 Δ's. $A \approx 57.0^\circ$, $C \approx 89.0^\circ$, $c \approx 17.9$ and $A \approx 123.0^\circ$, $C \approx 23.0^\circ$, $c \approx 7.0$

8) $A = 46^\circ$, $c \approx 17.6$, $a \approx 12.9$

HW: SL p. 281

#2, 4, 8, 12

Thursday: Week 11 HW

SL pgs. 288, 292, 297, 298, 302, 304